

YG8U14-100VA3XLEAX





Ordering information

Туре	Part no.
YG8U14-100VA3XLEAX	2095964

Other models and accessories → www.sick.com/



Detailed technical data

Technical specifications

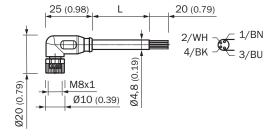
Accessory group Plug connectors and cables Accessory family Connecting cables Connection type head A Female connector, M8, 4-pin, angled, A-coded Connection type head B Flying leads Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position 2 for X c/DC Reference voltage 4 A Reference voltage 5 for X cable diameter Signal type A A Signal type Sensor/actuator cable	recnnical specifications	
Connection type head A Connection type head B Locking plug connector Screw connection TPU Connector material TPU Connector color Black Locking nut material Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Lock with chemicals Authorizations UL Enclosure rating Flesck / IP66K / IP66K / IP66F Locking plug connector, M8, 4-pin, angled, A-coded Flying leads Flying leads Screw connection Screw connection Screw connection Screw connection Ptyling leads Screw connection TPU Connector color Black FKM Tightening torque 0.4 Nm V.4 Wire, PVC PVC A Nm Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Unshielded Bending radius Flexible use Stationary position Screw connection Series and series Stationary position Reference voltage Rated impulse voltage 1.5 kV Current loading A A Signal type Sensor/actuator cable Application Locking plug and series Locking plug and series Flexible as connection Screw connection Screw connection Screw connection Screw connection TPU TOU TOU Tou Tou Tou Tou Tou Tou Tou To	Accessory group	Plug connectors and cables
Connection type head B Locking plug connector Connector material TPU Connector color Black Zinc die-cast, nickel-plated Seal material FKM Tightening torque Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Cable diameter Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Reference voltage Reference voltage Rated impulse voltage Current loading 4 A Signal type Sensor/actuator cable Authorizations UL Enclosure rating FIPU Black Sirack Sirack	Accessory family	Connecting cables
Locking plug connector Screw connection Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius Flexible use > 10 x cable diameter Stationary position > 5 x cable diameter S cable diameter < 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Connection type head A	Female connector, M8, 4-pin, angled, A-coded
Connector material TPU Connector color Black Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter S x cable diameter > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Connection type head B	Flying leads
Connector color Locking nut material Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Gray Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Reference voltage Current loading 4 A Signal type Sensor/actuator cable Source with chemicals UL Enclosure rating FRM O.4 Nm O.5 Torgo O.5 Torgo O.5 Torgo O.5 Torgo O.5 Torgo O.6 VAC/DC O.7 Conductor cross-section O.8 O VAC/DC O.8 O VAC/DC O.9 O V	Locking plug connector	Screw connection
Locking nut material Zinc die-cast, nickel-plated Seal material FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius Flexible use Stationary position Reference voltage 5 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Connector material	TPU
FKM Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Unshielded Bending radius Flexible use Stationary position PEference voltage Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations UL Enclosure rating Volve Name O.4 Nm PVC 9 Un 4-wire, PVC 9 Un 5.0 m, 4-wire, PVC 9 Un 5.0 m, 4-wire, PVC 9 O Table diameter Valor	Connector color	Black
Tightening torque 0.4 Nm Width across flats 9 Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Gray Cable diameter 4.8 mm Conductor cross-section 0.25 mm² Shielding Unshielded Bending radius > 10 x cable diameter Stationary position > 5 x cable diameter Stationary position < 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Locking nut material	Zinc die-cast, nickel-plated
Width across flats Cable 10 m, 4-wire, PVC Jacket material PVC Jacket color Cable diameter 4.8 mm Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Reference voltage Rated impulse voltage 1.5 kV Current loading Sensor/actuator cable Application Authorizations ULL Enclosure rating 10 m, 4-wire, PVC PVC Jo m, 4-wire, PV	Seal material	FKM
Cable Jacket material PVC Jacket color Gray Cable diameter Conductor cross-section Shielding Unshielded Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations Enclosure rating 10 m, 4-wire, PVC Gray PVC Gray 1.0 m, 4-wire, PVC Gray 1.0 m, 4-wire, PVC PVC As mm 1.0 m, 4-wire, PVC PVC Gray 4.8 mm 1.0 x cable diameter > 5 x cable diameter > 5 x cable diameter > 5 x cable diameter > 60 V AC/DC 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Jones with chemicals UL Enclosure rating IP65 / IP66K / IP67	Tightening torque	0.4 Nm
Jacket material Jacket color Gray Cable diameter 4.8 mm Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations Enclosure rating PVC 4.8 mm 0.25 mm² Unshielded Unshielded Vacable diameter > 5 x cable diameter > 5 x cable diameter > 60 V AC/DC 4 A Signal type Application Jensor/actuator cable Zones with chemicals UL IP65 / IP66K / IP67	Width across flats	9
Jacket color Cable diameter 4.8 mm Conductor cross-section 9.25 mm² Unshielded Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations Light Signal Market Signal Sig	Cable	10 m, 4-wire, PVC
Cable diameter Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations Enclosure rating 4.8 mm 0.25 mm² Unshielded Unshielded Vacable diameter > 5 x cable diameter > 60 V AC/DC 1.5 kV 4 A Sensor/actuator cable Zones with chemicals UL IP65 / IP66K / IP67	Jacket material	PVC
Conductor cross-section Shielding Bending radius Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations UL Unshielded Unshielded Vacable diameter > 10 x cable diameter > 5 x cable diameter > 60 V AC/DC 1.5 kV Current loading 4 A Sensor/actuator cable Zones with chemicals UL Enclosure rating UP65 / IP66K / IP67	Jacket color	Gray
Shielding Unshielded Bending radius Flexible use Stationary position > 10 x cable diameter Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Cable diameter	4.8 mm
Bending radius Flexible use Stationary position Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Conductor cross-section	0.25 mm ²
Flexible use Stationary position Reference voltage Rated impulse voltage Current loading Signal type Application Authorizations Flexible use > 10 x cable diameter > 5 x cable diameter ≤ 60 V AC/DC 1.5 kV 4 A Sensor/actuator cable Zones with chemicals UL Finclosure rating IP65 / IP66K / IP67	Shielding	Unshielded
Stationary position > 5 x cable diameter Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Bending radius	
Reference voltage ≤ 60 V AC/DC Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Flexible use	> 10 x cable diameter
Rated impulse voltage 1.5 kV Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating 1.5 kV 4 A UR Sensor/actuator cable Zones with chemicals UR IP65 / IP66K / IP67	Stationary position	> 5 x cable diameter
Current loading 4 A Signal type Sensor/actuator cable Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Reference voltage	≤ 60 V AC/DC
Signal type Application Zones with chemicals Authorizations UL Enclosure rating Sensor/actuator cable Zones with chemicals UL	Rated impulse voltage	1.5 kV
Application Zones with chemicals Authorizations UL Enclosure rating IP65 / IP66K / IP67	Current loading	4 A
Authorizations UL Enclosure rating IP65 / IP66K / IP67	Signal type	Sensor/actuator cable
Enclosure rating IP65 / IP66K / IP67	Application	Zones with chemicals
	Authorizations	UL
Ambient operating temperature	Enclosure rating	IP65 / IP66K / IP67
	Ambient operating temperature	

Flexible use	-5 °C +80 °C
Stationary position	-30 °C +80 °C
Head	-25 °C +85 °C
Contamination rating	3
Insulation resistance	100 ΜΩ
Overvoltage category	III
Specific insulation resistance	30 mΩ
Thermal resistance, cable	Flame retardant according to UL 1581 VW1 / CSA FT1

Classifications

ECI@ss 5.0	19030312
ECI@ss 5.1.4	19030312
ECI@ss 6.0	27060304
ECI@ss 6.2	27060304
ECI@ss 7.0	27060304
ECI@ss 8.0	27060304
ECI@ss 8.1	27060304
ECI@ss 9.0	27060304
ECI@ss 10.0	27060304
ECI@ss 11.0	27060304
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249
ETIM 8.0	EC003249
UNSPSC 16.0901	26121604

Dimensional drawing (Dimensions in mm (inch))



Recommended accessories

Other models and accessories → www.sick.com/

	Brief description	Туре	Part no.		
Other mounting accessories					
	1 piece, M8 mounting key set for SW9 with calibrated torque 0.4 Nm	TOOL-TWO4M08AF09	5337207		
Plug connectors and cables					
	Head A: female connector, M8, 4-pin, straight Head B: - Cable: unshielded	DOS-0804-G	6009974		
	Head A: male connector, M8, 4-pin, straight Head B: - Cable: unshielded	STE-0804-G	6037323		

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

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